KANSAS

Adequacy of Prenatal Care Utilization Index Kansas, 2000



Adequacy of Prenatal Care Utilization Index

The Kansas Department of Health and Environment (KDHE) annually publishes an Adequacy of Prenatal Care Utilization (APNCU) Index, utilizing information readily available on the Kansas birth certificate (number of prenatal care visits, month prenatal care began, and gestational length of pregnancy). The APNCU Index combines information on the adequacy of initiation of prenatal care and the adequacy of received services to characterize adequacy of pregnancy-related health services provided to an expectant mother between conception and delivery. Prenatal care has long been endorsed as a major means to identify and reduce the risks of bearing infants who are low birth weight, are stillborn, or die within the first year of life. Therefore, the APNCU categorizes care as inadequate, intermediate, adequate or adequate plus in an attempt to measure progress toward reducing such risks. The index does not assess quality of the prenatal care that is delivered, only its utilization.

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KANSAS ADEQUACY OF PRENATAL CARE UTILIZATION (APNCU) INDEX

I. Month prenatal care began (Adequacy of Initiation of Prenatal Care)

Adequate Plus: 1st or 2nd month Adequate: 3rd or 4th month Intermediate: 5th or 6th month

Inadequate: 7th month or later, or no prenatal care

II. Proportion of the number of visits recommended by the American College of Obstetricians and Gynecologists (ACOG) received from the time prenatal care began until delivery (Adequacy of Received Services)

Adequate Plus: 110% or more

Adequate: 80% - 109% Intermediate: 50% - 79% Inadequate: less than 50%

III. Summary Adequacy of Prenatal Care Utilization Index

Adequate Plus: Prenatal care begun by the 4th month and 110% or more of recommended visits received

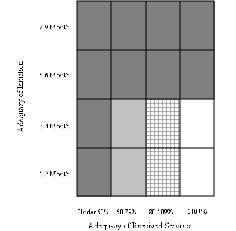
Adequate: Prenatal care begun by the 4th month and 80% - 109% of recommended visits received

Intermediate: Prenatal care begun by the 4th month and 50% - 79% of recommended visits

received

Inadequate: Prenatal care begun after the 4th month or less than 50% of recommended visits

received



Adequacy of Prenatal Care Utilization Index Matrix

Summary Index
Into Sequeta
Into Sequeta
International
Accounts
Accounts

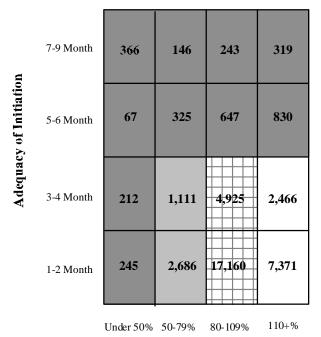
NOTE: The APNCU Index requires the use of the following data elements reported on the live birth certificate: number of prenatal care visits, month prenatal care began, and gestational length of pregnancy.

APNCU Reference: Kotelchuck M. An evaluation of the Kessner Adequacy of Prenatal Care Index and a proposed Adequacy of Prenatal Care Utilization Index. *American Journal of Public Health*, 1994;84:1414-1420.

Source: Children & Families Section, Bureau for Children, Youth, and Families, Kansas Department of Health & Environment, 785-296-1306

Office of Health Care Information, Center for Health & Environmental Statistics, Kansas Department of Health & Environment, 785-296-5644

Adequacy of Prenatal Care Utilization Index Kansas Residents*, 2000



Adequacy of Received Services

Summary Index Inadequate Intermediate Adequate Adequate Plus

^{*}Includes only the 39,119 Kansas resident live births for which number of prenatal visits and month care began were reported on the the birth certificate.

Adequacy of Prenatal Care Utilization (APNCU) Index By County Of Residence Kansas, 2000

	APNCU Category									
County of	Live	Adequa		Adequate		Intermediate		Inadequate		Not
Residence	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated
Kansas	39,119	9,837	25.1	22,085	56.5	3,797	9.7	3,400	8.7	535
Allen	196	64	32.7	97	49.5	23	11.7	12	6.1	2
Anderson	111	28	25.2	50	45.1	19	17.1	14	12.6	-
Atchison	206	65	31.5	103	50.0	16	7.8	22	10.7	3
Barber	39	7 94	17.9	29	74.4	1	2.6	2 47	5.1	1 7
Barton	336	94	28.0	156	46.4	39	11.6	47	14.0	1
Bourbon	206	112	54.4	78	37.8	8	3.9	8	3.9	-
Brown	142	34	23.9	83	58.4	12	8.5	13	9.2	5
Butler	771	127	16.5	543	70.4	51	6.6	50	6.5	4
Chase	28	6	21.4	17	60.7	2	7.2	3	10.7	1
Chautauqua	38	11	29.0	14	36.8	6	15.8	7	18.4	1
Cherokee	276	65	23.5	156	56.5	25	9.1	30	10.9	3
Cheyenne	38	7	18.4	20	52.6	8	21.1	3	7.9	-
Clark	30	10	33.3	10	33.3	1	3.4	9	30.0	-
Clay	97	24	24.7	54	55.7	13	13.4	6	6.2	-
Cloud	102	26	25.5	62	60.8	11	10.8	3	2.9	-
Coffey	108	28	25.9	63	58.3	11	10.2	6	5.6	1
Comanche	26	8	30.8	14	53.9	3	11.5	1	3.8	-
Cowley	455	137	30.1	262	57.6	30	6.6	26	5.7	2
Crawford	577	200	34.7	276	47.8	54	9.4	47	8.1	3
Decatur	36	9	25.0	23	63.9	3	8.3	1	2.8	-
Dickinson	232	77	33.2	120	51.7	14	6.0	21	9.1	_
Doniphan		15	15.6	70	72.9	7	7.3	4	4.2	-
Douglas	1,088	362	33.3	544	50.0	102	9.4	80	7.3	94
Edwards	· ·	16	30.2	22	41.5	7	13.2	8	15.1	-
Elk	32	6	18.8	17	53.1	3	9.3	6	18.8	-
Ellis	334	90	26.9	186	55.7	37	11.1	21	6.3	_
Ellsworth	43	13	30.2	27	62.8	1	2.3	2	4.7	_
Finney		183	20.0	306	33.4	157	17.1	271	29.5	4
Ford	643	158	24.6	241	37.5	88	13.7	156	24.2	12
Franklin	343	98	28.6	190	55.4	31	9.0	24	7.0	10
0	505	145	05.7	270	47.0	86	45.0	64	44.0	
GearyGove	565 37	8	25.7 21.6	20	47.8 54.1	4	15.2 10.8	5	11.3 13.5	-
Graham	23	3	13.0	17	73.9	1	4.4	2	8.7	_
Grant	137	28	20.4	63	46.0	23	16.8	23	16.8	1
Gray		20	20.4	46	46.9	14	14.3	18	18.4	-
, ,	40	4	04.4	11	F7.0	2	40.5	2	40.5	
Greeley		22	21.1	11 51	57.9	8	10.5	12	10.5	1
Greenwood Hamilton	93 45	16	23.7 35.5	18	54.8 40.0	7	8.6 15.6	4	12.9 8.9	'
Harper	69	2	2.9	49	71.0	11	15.9	7	10.2	-
Harvey		147	33.1	233	52.5	24	5.4	40	9.0	3
•		0		0.4		47		00		4
Haskell		9 6	11.2	34 5	42.5	17	21.3	20 4	25.0	1
Hodgeman		55	40.0	5 80	33.3	15	- 0.2	11	26.7	3
Jackson Jefferson		65	34.2 35.1	85	49.7 46.0	23	9.3 12.4	12	6.8 6.5	7
Jewell		3	15.8	12	63.1	3	15.8	1	5.3	-
Johnson	6,920	2,053	29.6	4,233	61.2	393	5.7	241	3.5	69
Kearny		21 15	30.4	27	39.1	11	16.0	10 5	14.5	1
Kingman		15 7	14.8	68 17	67.3	13 4	12.9	5 6	5.0	-
Kiowa Labette	34 254	104	20.6 40.9	112	50.0 44.1	22	11.8 8.7	16	17.6 6.3	2
_abelle	254				44.1		0.7		0.3	-
Lane		4	25.0	6	37.5	5	31.2	1	6.3	-
Leavenworth		309	34.8	440	49.6	78	8.8	60	6.8	4
Lincoln	47	8	17.0	31	66.0	2	4.2	6	12.8	1
Linn		37 12	29.8	74 21	59.7	10 2	8.1	3	2.4	2
Logan	38	12	31.6	21	55.2	2	5.3	3	7.9	-

Adequacy of Prenatal Care Utilization (APNCU) Index By County Of Residence Kansas, 2000

	APNCU Category									
County of	Live	Adequat	te Plus	Adeq		Interme	ediate	Inadeo	uate	Not
Residence	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated
Lyon	529	121	22.9	240	45.4	80	15.1	88	16.6	11
Marion		45	31.9	71	50.4	14	9.9	11	7.8	
Marshall		30	29.4	53	51.9	17	16.7	2	2.0	4
McPherson		74	21.4	221	63.9	29	8.4	22	6.3	
Meade		10	13.0	41	53.2	15	19.5	11	14.3	_
Weaue	. , , ,	10	13.0	71	33.2	10	19.5		14.3	
Miami	374	112	29.9	211	56.4	32	8.6	19	5.1	3
Mitchell	. 61	8	13.1	43	70.5	6	9.8	4	6.6	-
Montgomery	472	168	35.6	220	46.6	38	8.1	46	9.7	10
Morris	. 69	17	24.6	34	49.3	14	20.3	4	5.8	-
Morton	. 58	4	6.9	28	48.3	15	25.8	11	19.0	4
Nemaha	128	27	21.1	77	60.2	20	15.6	4	3.1	8
Neosho		77	35.7	107	49.5	14	6.5	18	8.3	_
		5	16.1	18	58.1	6	19.3	2	6.5	_
Ness		23	31.9	36	50.0	11	15.3	2	2.8	_
Norton		59	30.8	106	55.2	16	8.3	11	2.6 5.7	_
Osage	192	33	30.6	100	33.2	10	0.3	11	5.7	_
Osborne	. 35	5	14.3	22	62.8	3	8.6	5	14.3	-
Ottawa	. 78	9	11.5	60	76.9	2	2.6	7	9.0	2
Pawnee	. 76	12	15.8	44	57.9	13	17.1	7	9.2	1
Phillips	. 88	19	21.6	55	62.5	9	10.2	5	5.7	-
Pottawatomie		70	27.0	129	49.8	39	15.1	21	8.1	5
		40		74		40		4.4		4
Pratt		19	16.2	71	60.7	13	11.1	14	12.0	1
Rawlins		5	19.2	16	61.6	3	11.5	2	7.7	-
Reno		193	21.8	486	55.0	146	16.5	59	6.7	2
Republic		13	27.7	27	57.4	4	8.5	3	6.4	-
Rice	. 125	20	16.0	69	55.2	23	18.4	13	10.4	2
Riley	. 899	190	21.1	476	53.0	181	20.1	52	5.8	2
Rooks		14	26.4	30	56.6	8	15.1	1	1.9	-
Rush		10	21.8	29	63.0	3	6.5	4	8.7	-
Russell		23	28.8	36	45.0	17	21.2	4	5.0	-
Saline		143	19.1	522	69.5	55	7.3	31	4.1	1
						_		_		
Scott		17	27.9	29	47.5	6	9.8	9	14.8	
Sedgwick		1,115	14.5	5,267	68.5	723	9.4	581	7.6	152
Seward	506	47	9.3	195	38.5	98	19.4	166	32.8	28
Shawnee		874	35.7	1,263	51.5	165	6.7	149	6.1	12
Sheridan	. 22	5	22.7	14	63.7	3	13.6	-	-	1
Sherman	80	23	28.7	46	57.5	6	7.5	5	6.2	2
Smith		16	47.1	15	57.5 44.1	2	7.5 5.9	1	2.9	-
Stafford		10	21.7	27	58.7	5	10.9	4	8.7	_
Stanton	_	15	34.1	20	45.4	5	11.4	4	9.1	
Stevens	92	8	8.7	42	45.7	20	21.7	22	23.9	6
Stevens	. 92		0.7		43.7	20	21.7		23.9	Ů
Sumner	322	40	12.4	235	73.0	31	9.6	16	5.0	2
Thomas	. 106	35	33.0	53	50.0	11	10.4	7	6.6	-
Trego	. 32	12	37.5	15	46.9	5	15.6	-	-	-
Wabaunsee		26	32.9	43	54.5	5	6.3	5	6.3	-
Wallace		7	31.8	12	54.6	-	-	3	13.6	-
107		40		26				7		,
Washington		10	16.4	36	59.0	8	13.1	7	11.5	1
Wichita		11	40.8	8	29.6	2	7.4	6	22.2	-
Wilson		40	32.2	58	46.8	9	7.3	17	13.7	-
Woodson		10	32.3	13	41.9	5	16.1	3	9.7	-
Wyandotte	2,782	808	29.0	1,260	45.3	281	10.1	433	15.6	27

^{*}Includes only Kansas resident live births for which number of prenatal visits and month care began were reported on the birth certificate.

Residence data.

Source: Center for Health & Environmental Statistics Kansas Department of Health and Environment

Number and Percent of Live Births by Birth Weight By Adequacy of Prenatal Care Utilization (APNCU) Index Kansas, 2000

			APNCU Category							
Birth Weight	Live	Adequa	Adequate Plus		Adequate		Intermediate		Inadequate	
(Grams)	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated
Total	39,119	9,837	25.1	22,085	56.5	3,797	9.7	3,400	8.7	535
Under 2,500(Low) 2,500-4,499(Normal)	2,674 35,805	1,559 8,175	58.3 22.8	20,973	26.5 58.6	3,611	4.3 10.1	292 3,046	10.9 8.5	78 454
4,500 and Over(High). Not Stated	640 -	103 -	16.1 n/a		63.1 n/a	71 -	11.1 n/a	62 -	9.7 n/a	3 -

n/a Not applicable

Source: Center for Health & Environmental Statistics Kansas Department of Health and Environment

^{*}Includes only Kansas resident live births for which number of prenatal visits and month care began were reported on the birth certificate.

Residence data.

Number and Percent of Live Births by Race and Hispanic Origin By Adequacy of Prenatal Care Utilization (APNCU) Index Kansas, 2000

		APNCU Category								
Race and	Live	Adequate Plus		Adequate		Intermediate		Inadequate		Not
Hispanic Origin	Births*	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Stated
Total	39,119	9,837	25.1	22,085	56.5	3,797	9.7	3,400	8.7	535
White	34,709	8,764	25.3	19,824	57.1	3,339	9.6	2,782	8.0	449
Black	2,807	731	26.0	1,370	48.8	271	9.7	435	15.5	51
American Indian	422	101	23.9	211	50.0	42	10.0	68	16.1	9
Asian/Pacific Islander.	1,044	217	20.8	604	57.9	130	12.4	93	8.9	21
Other NonWhite	59	9	15.3	34	57.6	7	11.9	9	15.2	3
Not Stated	78	15	n/a	42	n/a	8	n/a	13	n/a	2
Hispanic**	4,618	831	18.0	2,114	45.8	642	13.9	1,031	22.3	124

n/a Not applicable

Source: Center for Health & Environmental Statistics
Kansas Department of Health and Environment

^{*}Includes only Kansas resident live births for which number of prenatal visits and month care began were reported on the birth certificate.

^{**}Hispanic origin can be of any race Residence data.

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